Title (en)

SYSTEMS AND METHODS FOR DETERMINING PATH CONFIDENCE FOR UNMANNED VEHICLES

Title (de)

SYSTEME UND VERFAHREN ZUR BESTIMMUNG DER WEGKONFIDENZ FÜR UNBEMANNTE FAHRZEUGE

Title (fr)

SYSTÈMES ET PROCÉDÉS DE DÉTERMINATION DE CONFIANCE DE TRAJET POUR DES VÉHICULES SANS PILOTE

Publication

EP 3662338 A4 20210602 (EN)

Application

EP 18842338 A 20180724

Priority

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Abstract (en)

[origin: US2019042859A1] Examples implementations relate to determining path confidence for a vehicle. An example method includes receiving a request for a vehicle to navigate a target location. The method further includes determining a navigation path for the vehicle to traverse a first segment of the target location based on a plurality of prior navigation paths previously determined for traversal of segments similar to the first segment of the target location. The method also includes determining a confidence level associated with the navigation path. Based on the determined confidence level, the method additionally includes selecting a navigation mode for the vehicle from a plurality of navigation modes corresponding to a plurality of levels of remote assistance. The method further includes causing the vehicle to traverse the first segment of the target location using a level of remote assistance corresponding to the selected navigation mode for the vehicle.

IPC 8 full level

G05D 1/00 (2006.01); **B60W 50/08** (2020.01); **B60W 60/00** (2020.01); **B62D 1/28** (2006.01); **B62D 15/02** (2006.01); **G01C 21/20** (2006.01); **G01C 21/34** (2006.01); **G05D 1/02** (2020.01); **G05D 1/12** (2006.01); **G06N 3/04** (2006.01); **G06N 3/08** (2006.01); **G08G 1/16** (2006.01)

CPC (source: EP US)

B60K 31/0008 (2013.01 - US); **B60W 50/082** (2013.01 - EP); **B60W 60/001** (2020.02 - EP); **B60W 60/0011** (2020.02 - EP); **B62D 1/28** (2013.01 - US); **B62D 1/283** (2013.01 - EP US); **B62D 15/025** (2013.01 - EP US); **G01C 21/20** (2013.01 - EP US); **G01C 21/3446** (2013.01 - EP); **G01C 21/3484** (2013.01 - EP US); **G05D 1/00** (2013.01 - US); **G05D 1/0027** (2024.01 - EP); **G05D 1/0088** (2024.01 - US); **G05D 1/0221** (2024.01 - EP US); **G05D 1/0242** (2024.01 - US); **G06N 3/045** (2023.01 - EP US); **G06N 3/047** (2023.01 - EP US); **G06V 10/82** (2022.01 - EP); **G06V 20/588** (2022.01 - US); B60W 2420/403 (2013.01 - US); B60W 2556/45 (2020.02 - EP); B60W 2556/65 (2020.02 - EP); G08G 1/165 (2013.01 - EP US); G08G 1/166 (2013.01 - EP US)

Citation (search report)

- [Y] US 2002120396 A1 20020829 - BOIES STEPHEN J [US], et al
- [Y] WO 2016183525 A1 20161117 - UBER TECHNOLOGIES INC [US]
- See also references of WO 2019027733A1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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